Espacenet

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BIOELECTRIC IMPEDANCE MEASURING DEVICE

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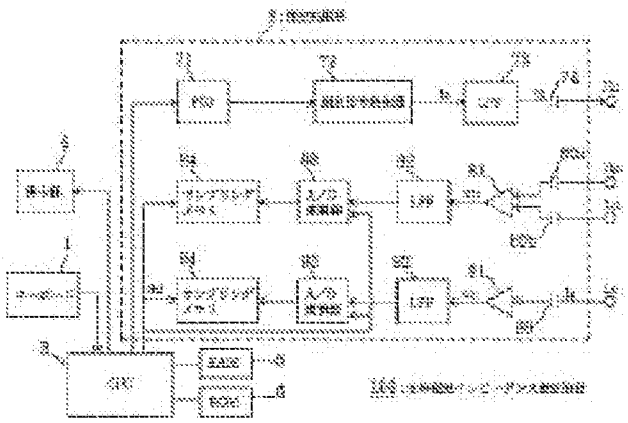
Abstract of JP 10014898 (A)

PROBLEM TO BE SOLVED: To measure bioelectric impedance accurately and safely while the configuration remains simple. SOLUTION: An impedance measuring device 100 is composed of a measurement processing part 2, a CPU 3, and a display part 4, wherein the measurement processing part 2 comprises a measuring signal generator 72 to allow a probe current Ia consisting of M-series symbol signals to flow through the body of a subject, an I/V converter 91 and LPF 92 and also A/D converter 93 for sensing the probe current Ia flowing through the body of the subject, a differential amplifier 81 and LPF 82 and another A/D convert 83 for sensing the voltage Vp between his hands and feet, and sampling memories 84 and 94 which store the voltages digitized by the A/D converters 83 and 93.; The CPU 3 converts the digital voltages stored in the sampling memories 84 and 94 into a voltage value for each frequency through Fourier's transform processing and calculates bioelectric impedance or the like between different parts of organism on the basis of the result from conversion. The display part 4 displays the obtained bioelectric impedance or the like.



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